

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-09 15:37:21  
 Date of Next Testing: 2024-09-28 15:37:21  
 Product Name: **Pyrophosphoric acid**  
 CAS Number: 2466-09-3  
 Specifications & Purity: Moligand™, ≥95% H<sub>4</sub>P<sub>2</sub>O<sub>7</sub> basis  
 Lot #: I2226223  
 SKU #: **P101704**  
 Version: **0**  
 Analysis #: **141874**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                        | Limit Values                                      | Result                                            |
|----------------------------------|---------------------------------------------------|---------------------------------------------------|
| Iron(Fe)                         | 0-50 (ppm)                                        | 11.00000 ppm                                      |
| Sodium(Na)                       | 0-20 (ppm)                                        | 19.00000 ppm                                      |
| Heavy metal (as Pb)              | 0-0.002 (%)                                       | 0.00200 %                                         |
| Purity(Neutralization titration) | 94.5-105.5 (%)                                    | 100.91000 %                                       |
| Appearance (P101704)             | colorless or white to yellow waxy solid or liquid | colorless or white to yellow waxy solid or liquid |
| Infrared spectrum                | Conforms to Structure                             | Conforms to Structure                             |



John Su  
QA & QC Manager